

Abstract Of The Disclosure

A signal acquisition instrument, such as an oscilloscope, having an input stage that is referenced to a user's ground is disclosed. Information gathered by
5 the input stage is stored in a storage element powered by a floating power supply that is referenced to the user's ground. After storage, the storage element is disconnected from the floating power and from the user's ground and switched to a power supply referenced to the remainder of the system. FET
10 switching is beneficial, and information can be stored either in an analog format or in a digital format.